

From: Richard Rupert/R3/USEPA/US
Sent: 8/8/2012 8:56:20 AM

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Subject: structure in Dimock PA area

Dr. Valentino,

I found that you lead a series of geological field courses in northeast PA and thought you might be a good source of information... I hope you don't mind that I ask your help.

We have just finished an assessment of the contamination in groundwater in the Dimock area as it may relate to natural gas drilling and hydro-fracking activities. It would be extremely helpful to understand the structural trends in our study area. Specifically, I would love to have a fault trace map of the Dimock area.

My thoughts are that faulting may be involved in some of the contamination we have observed in the groundwater. Further, though I have not done much in the way of mapping in the northeast PA area, my experience from long ago in the southwestern US reminds me that very often valleys and drainage features seem to be a consequence of faulting. I am guessing this might also be the case in northeast PA. I have looked for professional papers on the surficial structure in the NEPA area and really have found nothing. I am hoping that your experience may include some field mapping exercises displaying the fault systems in the area.

Any help or advice is greatly appreciated.

v/r
Rich

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"The commander in the field is always right and the rear echelon is wrong, unless proved otherwise."
Colin Powell